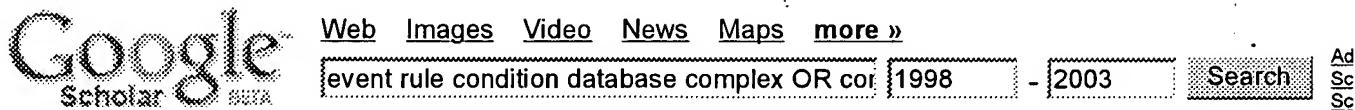


EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("6560592").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/25 09:28
L2	230	(707/103Y).ccls.	US-PGPUB; USPAT	OR	OFF	2007/04/25 09:53
L3	8290	(composite or complex) with event	US-PGPUB; USPAT	OR	OFF	2007/04/25 09:54
L4	1089	I3 and (event with structure)	US-PGPUB; USPAT	OR	OFF	2007/04/25 09:54
L5	155	I4 and (rule with set)	US-PGPUB; USPAT	OR	OFF	2007/04/25 09:55
L6	128	I5 and @ad<"20040330"	US-PGPUB; USPAT	OR	OFF	2007/04/25 09:56
L7	118	I6 and database	US-PGPUB; USPAT	OR	OFF	2007/04/25 10:28
L8	3	("6539381" "7089228" "20030135523").pn.	US-PGPUB; USPAT	OR	OFF	2007/04/25 10:39
L9	4	("5852818" "6073129" "6490574" "7149738").pn.	US-PGPUB; USPAT	OR	OFF	2007/04/25 10:39
L10	49	("20050222996" "20060224542" "6292830" "6826579" "5390330" "5915115" "5564047" "5680602" "6604093" "20050125371" "5966691" "6317700" "6377934" "6735772" "6789257" "6868413" "20020116354" "5745901" "5675745" "6098047" "20050010545" "20060248503" "7177859" "20040002958" "20040002972" "20040002988" "6253193" "6363488" "6389402" "6427140" "20030236690" "20040162741" "20050096966" "20020091685" "5355474" "20030115311" "6070165" "20060294222" "5712960" "5832482" "5893077" "5987429" "6061506" "6061506" "6199047" "6233537" "6411961" "6606304" "20020099579" "20040122823").pn.	US-PGPUB; USPAT	OR	OFF	2007/04/25 10:48
S1	1	("20050222996").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/25 08:48
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NW Paton, O Díaz - ACM Computing Surveys (CSUR), 1999 - portal.acm.org

... DB C —the database when the **condition** is evaluated ... access to bindings associated with the **event** (Bind E ... to the different components of a **rule** is illustrated ...

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[N Paton](#)

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D Zimmer, R Unland - Proceedings of the 15th International Conference on Data ... , 1999 - doi.ieeecs.org

... The **condition** of a **rule** is evaluated whenever its triggering ... If the **condition** is satisfied, the specified ac- tion ... ones by using operators of an **event** algebra. ...

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[The TriGS active object-oriented database system—an overview - group of 11 »](#)

G Kappel, W Retschitzegger - ACM SIGMOD Record, 1998 - portal.acm.org

... a predicate over the **event's** parameters, may be specified, which fur- ther restricts the **events** able to trigger a ... The **condition** part of a **rule** is speci ...

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E Baralis, J Widom - ACM Transactions on Database Systems (TODS), 2000 - portal.acm.org

... either by the occurrence of **events** (**event-condition-action** or ... occurrence of particular **database** states (**condition-action** or ... Active **rules** can also be used for ...

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[Composite events for network event correlation - group of 5 »](#)

G Liu, AK Mok, EJ Yang - Integrated Network Management, 1999. Distributed Management ..., 1999 - ieeexplore.ieee.org

... **complex** temporal relationships as **conditions** on **event** ... instance, for the correlation **rule** described in ... **composite event** LinkADownAlert can be defined as following ...

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[An agent-based approach to extending the native active capabilityof relational database systems - group of 7 »](#)

L Li, S Chakravarthy - Data Engineering, 1999. Proceedings., 15th International ... , 1999 - ieeexplore.ieee.org

... is generated to make the **event** and the ... **RULE** * sentineldb.sharmat_and = new **RULE**(sentineldb.sharma ... 1 and, sentineldb.sharma.addDel, **condition**, SybaseAction,(...

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[An event-condition-action language for XML - group of 11 »](#)

J Bailey, A Poulouvassilis, PT Wood - Proceedings of the 11th international conference on World ..., 2002 - portal.acm.org

... 5 In common with the SQL3 standard for **database triggers** [24 ... up the names of updated relations with potential **events** or with the bodies of **rule conditions**. ...
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G Papamarkos, A Poulovassilis, PT Wood - Workshop on Semantic Web and Databases, 2003 - dcs.bbk.ac.uk

... based P2P network is more **complex** than for ... the **database servers** and the **database schema** at... developing algorithms for matching **rule event**, **condition** and **action** ...

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H Fritschi, S Gatziu, KR Dittrich - Proceedings of the seventh international conference on ..., 1998 - ifi.unizh.ch

... DB **Event Detection Condition Evaluation** DB Action Execution Event Service Signalling Event Rule Service Figure 2: The Reference Architecture of ECA Systems. ...

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»

S Chakravarthy, R Le - Proceedings of the Fourteenth International Conference on ..., 1998 - doi.ieeecs.org

... specification language (Snoop), efficient **event detection** (using generated wrappers), **conditions** and actions (as ... multiple and cascaded **rule processing** (using ...

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↑ ABSTRACT

XML repositories are now a widespread means for storing and exchanging information on the Web. As these repositories become increasingly used in dynamic applications such as e-commerce, there is a rapidly growing need for a mechanism to incorporate reactive functionality in an XML setting. Event-condition-action (ECA) rules are a technology from active databases and are a natural method for supporting such functionality. ECA rules can be used for activities such as automatically enforcing document constraints, maintaining repository statistics, and facilitating publish/subscribe applications. An important question associated with the use of ECA rules is how to statically predict their run-time behaviour. In this paper, we define a language for ECA rules on XML repositories. We then investigate methods for analysing the behaviour of a set of ECA rules, a task which has added complexity in this XML setting compared with conventional active databases.

↑ REFERENCES

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- 1 [Serge Abiteboul , Jason McHugh , Michael Rys , Vasilis Vassalos , Janet L. Wiener, Incremental Maintenance for Materialized Views over Semistructured Data, Proceedings of the 24rd International Conference on Very Large Data Bases, p.38-49, August 24-27, 1998](#)

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↑ ABSTRACT

Active database systems support mechanisms that enable them to respond automatically to events that are taking place either inside or outside the database system itself. Considerable effort has been directed towards improving understanding of such systems in recent years, and many different proposals have been made and applications suggested. This high level of activity has not yielded a single agreed-upon standard approach to the integration of active functionality with conventional database systems, but has led to improved understanding of active behavior description languages, execution models, and architectures. This survey presents the fundamental characteristics of active database systems, describes a collection of representative systems within a common framework, considers the consequences for implementations of certain design decisions, and discusses tools for developing active applications.

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